SIEMENS

Data sheet 3RV2411-0KA10



Circuit breaker size S00 for transformer protection A-release 0.9...1.25 A N-release 26 A screw terminal Standard switching capacity

product designation design of the product per designation 3RV2 General technical data size of the circuit-breaker size of othe combined company-specific product type designation 3RV2 Soo size of contactor can be combined company-specific product extension auxiliary switch yes power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 general sorvice life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical lefectrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation • during storage • during transport relative humidity during operation • at AC-3 arted value maximum • at AC-3 arted value • arted value • arted value value operation at AC-3 arted value • arted value • arted value • arted value value • arted value value value • arted value value value • arted	product brand name	SIRIUS
product type designation 3RV2 General technical data size of the circuit-breaker S00 S0	product designation	Circuit breaker
Size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of contactor can be combined company-specific S00, S0 product extension auxiliary switch Yes power loss IWJ for rated value of the current at AC in hot operating state 7.25 W at AC in hot operating state per pole 2.4 W insulation voltage with degree of pollution 3 at AC rated value 800 V surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-227 25g / 11 ms mechanical service IIfe (operating cycles) of the main contacts typical 100 000 electrical endurance (operating cycles) 100 000 electrical endurance (operational cycles ele	design of the product	For transformer protection
size of the circuit-breaker size of contactor can be combined company-specific size of contactor can be combined company-specific product extension auxiliary switch yes power loss [W] for rated value of the current * at AC in hot operating state per pole * at AC in hot operating state per pole surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) * of the main contacts typical * of auxiliary contacts typical * of union according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature * during operation * during storage * during transport relative humidity during operation * during transport relative humidity during operation * al (according to IEC according	product type designation	3RV2
size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole 1 at AC in hot operating state per pole 2.4 W 1 insulation voltage with degree of pollution 3 at AC rated value 980 V 1 surge voltage resistance rated value 1 shock resistance according to IEC 60068-2-27 2 5g /11 ms 1 mechanical service life (operating cycles) • of the main contacts typical 1 on 000 • of auxiliary contacts typical 1 on 000 1 electrical endurance (operating cycles) typical 1 electrical endurance (operating cycles) typical 1 olivologo 2 substance Prohibitance (Date) 2 on 000 2 method auxiliary contacts with a theight above sea level maximum 2 on mabient conditions 1 installation altitude at height above sea level maximum 2 on mabient temperature • during operation • during storage • during transport 1 of 000 m and pransport 2 of 000 m and pransport 3 of 000 m and pransport 4 of 000 m and pransport 5 of 000 m and pransport 6	General technical data	
product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole 2.4 W insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) • of the main contacts typical 100 000 • of auxiliary contacts typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation • during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 ar ated value maximum 690 V • at AC-3 ar ated value • at AC-3 ar 400 V rated value • at AC-3 at 400 V rated value 1.25 A	size of the circuit-breaker	S00
power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state pole • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) • of the main contacts typical • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical • of auxiliary contacts typical 100 000 100 000 200 000 200 0000 200 0000000000	size of contactor can be combined company-specific	S00, S0
at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical lou 000 electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Quantitions installation altitude at height above sea level maximum ambient temperature oluring operation oluring transport relative humidity during operation unumber of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage orated value at AC-3 rated value maximum operational current operational current operational current at AC-3 rated value operational current	product extension auxiliary switch	Yes
at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical lectrical endurance (operating cycles) typical 100 000 lectrone code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature olduring operation during storage olduring transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage or at AC-3 rated value maximum operation 1.25 A operating frequency rated value operational current operation	power loss [W] for rated value of the current	
insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) of the main contacts typical for the main contacts typical of auxiliary contacts typical electrical endurance (operating cycles) typical lectrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum during operation during operation during storage during transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value maximum e) at AC-3 rated value maximum operational current e) at AC-3 rated value maximum e) at AC-3 at 400 V rated value Operational current e) at AC-3 at 400 V rated value 1.25 A operational current e) at AC-3 at 400 V rated value 1.25 A	 at AC in hot operating state 	7.25 W
surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) of the main contacts typical 100 000 electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature olduring operation during storage olduring transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value maximum 690 V operational current operational current at AC-3 at 400 V rated value 125 A operational current at AC-3 at 400 V rated value 125 A	 at AC in hot operating state per pole 	2.4 W
shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oluring operation oluring storage oluring storage oluring transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage orated value at AC-3 rated value maximum operations 690 V operational current rated value operational current rated value 1.25 A operational current ot AC-3 at 400 V rated value 1.25 A	insulation voltage with degree of pollution 3 at AC rated value	690 V
mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical too 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Amblent conditions installation altitude at height above sea level maximum ambient temperature oduring operation during storage during transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage or at AC-3 a rated value maximum ent AC-3 a rated value maximum operational current rated value operational current rated value operational current rated value 1.25 A operational current of the AC-3 at 400 V rated value 1.25 A	surge voltage resistance rated value	6 kV
of the main contacts typical of auxiliary contacts typical electrical endurance (operating cycles) typical incomparison of the main contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature ouring operation during storage during storage ouring transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 arated value maximum operating frequency rated value operational current rated value operating frequency rated value operational current rated value 1.25 A operational current of the Carrent operational current rated value 1.25 A operational current of the Carrent operational current operational current operational current operational current operational current operational current operational current	shock resistance according to IEC 60068-2-27	25g / 11 ms
of auxiliary contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature o during operation during storage during transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value maximum eat AC-3e rated value maximum operating frequency rated value operational current eat AC-3 at 400 V rated value at AC-3 at 400 V rated value 1.25 A operational current e at AC-3 at 400 V rated value 1.25 A	mechanical service life (operating cycles)	
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reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release operating voltage • rated value	of auxiliary contacts typical	100 000
Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V operating frequency rated value operational current rated value 1.25 A operational current • at AC-3 at 400 V rated value 1.25 A	electrical endurance (operating cycles) typical	100 000
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current rated value 1.25 A operational current rated value 1.25 A	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating frequency rated value 1.25 A operational current • at AC-3 at 400 V rated value 1.25 A	Substance Prohibitance (Date)	10/01/2009
ambient temperature • during operation • during storage • during transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating frequency rated value operating frequency rated value 1.25 A operational current rated value 1.25 A	Ambient conditions	
 during operation during storage during transport 50 +80 °C during transport 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value maximum at AC-3 rated value maximum 690 V at AC-3 rated value maximum 690 V operating frequency rated value operational current rated value 1.25 A operational current at AC-3 at 400 V rated value 1.25 A 	installation altitude at height above sea level maximum	2 000 m
 during storage during transport 50 +80 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value maximum at AC-3 rated value maximum operating frequency rated value operating frequency rated value operational current rated value 1.25 A operational current at AC-3 at 400 V rated value 1.25 A 	ambient temperature	
 during transport relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value maximum at AC-3e rated value maximum operating frequency rated value operational current rated value 1.25 A operational current at AC-3 at 400 V rated value 1.25 A 	 during operation 	-20 +60 °C
relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V • at AC-3e rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 1.25 A operational current • at AC-3 at 400 V rated value 1.25 A	during storage	-50 +80 °C
number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current • at AC-3 at 400 V rated value 1.25 A	during transport	-50 +80 °C
number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operating frequency rated value • at AC-3 at 400 V rated value 1.25 A operational current • at AC-3 at 400 V rated value 1.25 A	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operating frequency rated value operational current rated value • at AC-3 at 400 V rated value 1.25 A	Main circuit	
dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operating frequency rated value operational current rated value • at AC-3 at 400 V rated value 1.25 A	number of poles for main current circuit	3
 rated value at AC-3 rated value maximum 690 V at AC-3e rated value maximum 690 V operating frequency rated value operational current rated value 1.25 A operational current at AC-3 at 400 V rated value 1.25 A 		0.9 1.25 A
 at AC-3 rated value maximum at AC-3e rated value maximum 690 V operating frequency rated value operational current rated value operational current at AC-3 at 400 V rated value 1.25 A 	operating voltage	
 at AC-3e rated value maximum 690 V operating frequency rated value operational current rated value operational current at AC-3 at 400 V rated value 1.25 A 	• rated value	20 690 V
operating frequency rated value 50 60 Hz operational current rated value 1.25 A operational current • at AC-3 at 400 V rated value 1.25 A	 at AC-3 rated value maximum 	690 V
operational current rated value 1.25 A operational current • at AC-3 at 400 V rated value 1.25 A	 at AC-3e rated value maximum 	690 V
operational current	operating frequency rated value	50 60 Hz
• at AC-3 at 400 V rated value 1.25 A	operational current rated value	1.25 A
	operational current	
• at AC-3e at 400 V rated value 1.25 A	• at AC-3 at 400 V rated value	1.25 A
	 at AC-3e at 400 V rated value 	1.25 A

operating power	
• at AC-3	
— at 230 V rated value	0.2 kW
— at 400 V rated value	0.4 kW
— at 500 V rated value	0.4 kW
— at 690 V rated value	0.8 kW
• at AC-3e	
— at 230 V rated value	0.2 kW
— at 400 V rated value	0.4 kW
— at 500 V rated value	0.4 kW
— at 690 V rated value	0.8 kW
operating frequency	
at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	·
product function	
ground fault detection	No
phase failure detection	Yes
	CLASS 10
trip class	
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	400 1.4
at AC at 400 V rated value	100 kA
at AC at 400 V rated value	100 kA
at AC at 500 V rated value	100 kA
at AC at 690 V rated value	100 kA
operating short-circuit current breaking capacity (Ics) at AC	
 at 240 V rated value 	100 kA
 at 400 V rated value 	100 kA
 at 500 V rated value 	100 kA
at 690 V rated value	100 kA
response value current of instantaneous short-circuit trip unit	26 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	1.25 A
at 600 V rated value	1.25 A
yielded mechanical performance [hp]	
 for 3-phase AC motor 	
 at 460/480 V rated value 	1 hp
— at 575/600 V rated value	0.5 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit	
protection of the main circuit	
• at 500 V	gL/gG 16 A
• at 690 V	gL/gG 16 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 mm
width	45 mm
depth	97 mm
required spacing	
with side-by-side mounting at the side	0 mm
• for grounded parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— αρννατασ	OV IIIIII

at the sidefor live parts at 400 V	9 mm
p	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for grounded parts at 500 V	5 Hill
— downwards	30 mm
— upwards	30 mm
•	
— at the side	9 mm
• for live parts at 500 V	00
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
for grounded parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
arrangement of electrical connectors for main current	Top and bottom
circuit	
type of connectable conductor cross-sections	
for main contacts	
— solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm²
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG cables for main contacts 	2x (18 14), 2x 12
tightening torque	
 for main contacts with screw-type terminals 	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
for main contacts	M3
Safety related data	
B10 value	
with high demand rate according to SN 31920	5 000
proportion of dangerous failures	
with low demand rate according to SN 31920	50 %
with high demand rate according to SN 31920 with high demand rate according to SN 31920	50 %
failure rate [FIT]	00 /0
	50 FIT
with low demand rate according to SN 31920 The value for proof test interval or convice life according to IEC.	
T1 value for proof test interval or service life according to IEC 61508	10 a
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
display version for switching status	Handle
Certificates/ approvals	
General Product Approval	Declaration of Conformity











Test Certificates

Marine / Shipping

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report









Marine / Shipping

other

Railway





Confirmation



Vibration and Shock

Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2411-0KA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2411-0KA10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-0KA10

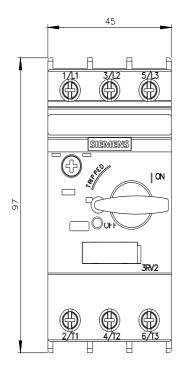
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

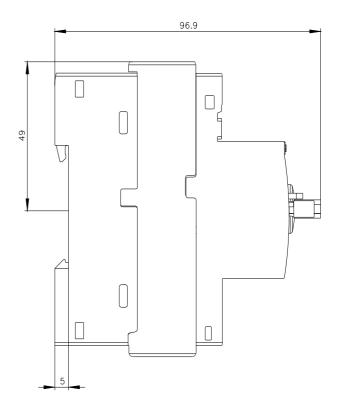
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2411-0KA10&lang=en

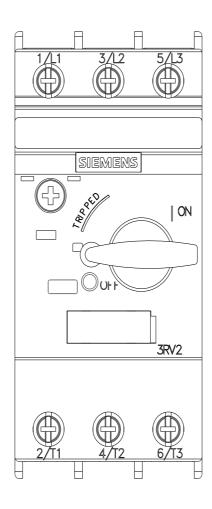
Characteristic: Tripping characteristics, I2t, Let-through current

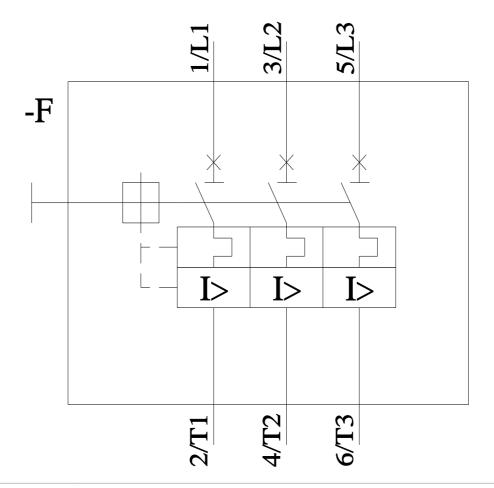
https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-0KA10/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2411-0KA10&objecttype=14&gridview=view1









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